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A Report on Industrial Visit to "Tietoevry, Bengaluru" Organized by Department of Electronics & Communication Engineering on 08.09.2026

Report Submitted by: Prof. Sanjaykumar Gowre, HoD, Department of Electronics & Communication Engineering.
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1. Introduction

As part of strengthening **Academia–Industry Collaboration** and establishing stronger linkages with the technology industry, **Dr. Sanjaykumar Gowre, Head of the Department of Electronics & Communication Engineering, MITS**, visited **Tietoevry, Bengaluru**, on 08 September 2026.

The visit provided an opportunity to interact with industry professionals and understand current technological requirements, particularly in the areas of **5G communication, industry-oriented projects, project mentoring, embedded systems and emerging communication technologies**.

The discussions with **Mr. Sharan K** (Head of Specialized Engineering Services), **Dr. Sharani** – Senior 5G RAN Developer and **Mr. Amit Anand** – Lead Software Architect focused on creating sustainable mechanisms for collaboration between MITS and Tietoevry for enhancing student learning, faculty development, project execution and advanced laboratory infrastructure.

2. Objectives of the Visit

The major objectives of the industrial visit were:

1. To strengthen **Academia–Industry interaction** between MITS and Tietoevry.
2. To understand current industry requirements in **5G, RAN, embedded systems and communication technologies**.
3. To explore opportunities for **industry mentoring of student projects**.
4. To discuss possible collaboration for **setting up and strengthening a 5G laboratory at MITS**.
5. To explore opportunities for industry-oriented student internships and projects.
6. To identify opportunities for **faculty interaction and knowledge sharing**.
7. To establish a mechanism for industry experts to contribute to curriculum enrichment and technical training.
8. To explore collaborative research and technology-development opportunities.

3. Major Discussions

A. Project Mentoring

A detailed discussion was held on the possibility of **industry mentoring for student projects**. The proposed model would enable students to work on projects based on real-world industrial problems and receive technical guidance from industry experts.

The collaboration can include:

- Identification of industry-relevant project topics.
- Periodic interaction between students and industry mentors.
- Technical review of project progress.
- Guidance on industry-standard tools and methodologies.
- Evaluation and feedback from industry experts.
- Support for converting selected academic projects into prototypes or deployable solutions.

This initiative would help bridge the gap between **academic learning and industrial practices**.

B. Setting up of 5G Laboratory

One of the major areas discussed during the visit was the establishment of a **5G Laboratory at MITS**.

The proposed laboratory is intended to provide students and faculty with hands-on exposure to:

- 5G architecture and networks
- 5G RAN technologies
- Software-defined networking
- Open RAN concepts
- RF and wireless communication
- Network simulation and testing
- Embedded and edge computing
- IoT and 5G applications
- Industry-oriented 5G projects

The possibility of obtaining **technical guidance, expert interaction, laboratory inputs and industry-oriented training** from Tietoevry was discussed.

C. Faculty–Industry Interaction

The visit also explored opportunities for regular interaction between MITS faculty and Tietoevry professionals through:

- Expert lectures
- Faculty development programmes
- Technical workshops
- Industry visits
- Short-term training programmes
- Joint technical sessions
- Research discussions

Such interactions can help faculty members remain updated with emerging industrial technologies and requirements.

D. Student Industry Exposure

The discussion also highlighted the importance of providing students with greater exposure to the working environment of the technology industry through:

- Internships
- Industry projects
- Live projects
- Technical mentoring
- Pre-placement training
- Industry certification-oriented programmes

4. Expected Outcomes of the Visit

The visit is expected to contribute to the following outcomes:

1. **Strengthening of Academia–Industry Collaboration** between MITS and Tietoevry.
2. Development of an **industry-mentored project ecosystem** for ECE students.
3. Progress towards establishing an **advanced 5G Laboratory at MITS**.
4. Increased exposure of students to **5G, RAN and emerging communication technologies**.
5. Opportunities for industry experts to participate in **student project reviews and mentoring**.
6. Scope for conducting **technical workshops and expert lectures**.
7. Enhanced opportunities for **student internships and industry-oriented training**.
8. Potential for future collaboration in **research, innovation and technology development**.
9. Better alignment of ECE curriculum and laboratory activities with **current industry requirements**.

5. Proposed Action Plan

Sl. No.	Proposed Activity	Responsibility	Tentative Timeline
1	Identify industry mentors for student projects	MITS–Tietoevry	Immediate
2	Prepare list of 5G laboratory requirements	MITS ECE	1 month
3	Share proposed 5G lab architecture with industry experts	MITS–Tietoevry	1–2 months
4	Conduct industry expert lectures on 5G/RAN	Tietoevry & MITS	Regular
5	Identify student projects suitable for industry mentoring	ECE Department	Each semester
6	Explore internship opportunities	MITS Placement/Industry Cell	Ongoing
7	Explore formal collaboration/MoU	MITS–Tietoevry	As mutually agreed,
8	Develop joint research/project proposals	Faculty & Industry Experts	Ongoing

6. Conclusion

The industrial visit to **Tietoevry, Bengaluru**, was productive and provided valuable insights into strengthening the relationship between **MITS and the technology industry**. The discussions on **industry-mentored student projects and the establishment of a 5G laboratory** are particularly relevant to the future development of the ECE Department.

The proposed collaboration can provide students with greater exposure to **5G/RAN technologies, industry practices and real-world engineering problems**, while also supporting faculty development, research and innovation.

The visit therefore represents an important step towards building a stronger **Academia–Industry–Research ecosystem** at MITS and enhancing the employability and technological competencies of ECE students.